

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	65379	"438"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2004/03/31 19:04
S2	0	semiconductor or ic or "integrated circuit" or microelectronic	US-PGPUB; USPAT	OR	OFF	2003/05/29 17:11
S3	855	("438/for.227").CCLS.	EPO; JPO; DERWENT	OR	OFF	2005/12/07 16:56
S5	105811	"438"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/24 09:36
S6	196566	"257"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/24 09:36
S7	746088	semiconductor or ic or "integrated circuit" or microelectronic	US-PGPUB; USPAT	OR	OFF	2006/03/24 09:36
S8	771582	S5 or S6 or S7	US-PGPUB; USPAT	OR	OFF	2006/04/12 11:51
S9	221599	S5 or S6	US-PGPUB; USPAT	OR	OFF	2006/04/12 11:50
S10	108	peald "pe-ald"	US-PGPUB; USPAT	OR	OFF	2006/06/19 15:57
S11	93744	tan "tantalum nitride" "ta.sub.3n.sub.5" "ta.sub.4n.sub.5" "ta.sub.5n.sub.6"	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:01
S12	105936	stoichiometric stoichiometry	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:02
S13	27	S10 and S11 and S12	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:02
S14	1027	plasma with ald	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:03
S15	1054	S10 or S14	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:03
S16	90	S15 and S11 and S12	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:03
S17	603199	hydrogen	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:04
S18	61	S16 and S17	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:03
S19	582452	nitrogen	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:04
S20	59	S18 and S19	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:03
S21	695032	hydrogen or "h.sub.2"	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:04
S22	640437	nitrogen or "n.sub.2"	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:04

## EAST Search History

S23	63	S16 and S21 and S22	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:06
S24	108	peald "pe-ald"	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:40
S25	93744	tan "tantalum nitride" "ta.sub.3n.sub.5" "ta.sub.4n.sub.5" "ta.sub.5n.sub.6"	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:40
S26	105936	stoichiometric stoichiometry	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:40
S27	1027	plasma with ald	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:40
S28	1054	S24 or S27	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:40
S29	90	S28 and S25 and S26	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:40
S30	695032	hydrogen or "h.sub.2"	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:40
S31	640437	nitrogen or "n.sub.2"	US-PGPUB; USPAT	OR	OFF	2006/06/19 16:40
S32	63	S29 and S30 and S31	US-PGPUB; USPAT	OR	OFF	2006/06/19 17:36
S33	125	(S30 or S31) with S28	US-PGPUB; USPAT	OR	OFF	2006/06/19 17:37
S34	65	S25 and S33	US-PGPUB; USPAT	OR	OFF	2006/06/19 19:24
S35	10	"stoichiometric tantalum nitride"	US-PGPUB; USPAT	OR	OFF	2006/06/19 19:25

## EAST Search History

S36	29	(US-20010054769-\$ or US-20030054631-\$ or US-20030143839-\$ or US-20040004247-\$ or US-20040038525-\$ or US-20040106249-\$ or US-20040130029-\$ or US-20040217410-\$ or US-20040062081-\$ or US-20040009307-\$ or US-20040235285-\$ or US-20050042373-\$ or US-20050095443-\$ or US-20050269703-\$ or US-20060019494-\$ or US-20060019495-\$ or US-20040029377-\$ or US-20040175926-\$ or US-20050101132-\$ or US-20050277292-\$ or US-20060008966-\$ or US-20060014384-\$ or US-20060019033-\$ or US-20060027167-\$ or US-20060063395-\$).did. or (US-6482733-\$ or US-6967154-\$ or US-6936535-\$ or US-6943097-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:56
S37	93844	tan "tantalum nitride" "ta.sub.3n.sub.5" "ta.sub.4n.sub.5" "ta.sub.5n.sub.6"	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:57
S38	108	peald "pe-ald"	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:57
S39	1034	plasma with ald	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:57
S40	1061	S38 or S39	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:57
S41	28	S36 and S37 and S40	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:58
S42	640789	nitrogen or "n.sub.2"	US-PGPUB; USPAT	OR	OFF	2006/06/20 17:01
S43	640789	nitrogen or "n.sub.2"	US-PGPUB; USPAT	OR	OFF	2006/06/20 17:01
S44	640789	S42 or S43	US-PGPUB; USPAT	OR	OFF	2006/06/20 17:02
S45	27	S41 and S44	US-PGPUB; USPAT	OR	OFF	2006/06/20 17:02